Form PTO-1449	U.S. Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. R/98021	APPLICATION NO. 09/267968 Not Yet Assigned
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Christopher R. Dance et al.	
		FILING DATE March 12, 1999	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N

OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

D7	BARTON, MELBOURNE, "Impulse Noise Performance of an Asymmetric Digital Subscriber Lines Passband Transmission System," IEEE Transactions on Communications, Vol. 43, No. 2/3/4, February/March/April 1995, pp. 1337-1340.
D7	HENKEL, WERNER ET AL., "Coded 64-CAP ADSL in an Impulse-Noise Environment—Modeling of Impulse Noise and First Simulation Results," IEEE Journal on Selected Areas in Communications, Vol. 13, No. 9, December 1995, pp. 1611-1621.
D7	KERPEZ, KENNETH J. ET AL., "The Error Performance of Digital Subscriber Lines in the Presence of Impulse Noise," IEEE Transactions on Communications, Vol. 43, No. 5, May 1995, pp. 1902-1905.
D7	KOGON, STEPHEN M. ET AL., "On the Characterization of Impulsive Noise with α-Stable Distributions Using Fourier Techniques," IEEE Proceedings of ASILOMAR-29, 1996, pp. 787-791.
D7	KURUOGLU, ERCAN E. ET AL., "Impulsive Noise Elimination Using Polynomial Iteratively Reweighted Least Squares," Proceedings 1996 IEEE Digital Signal Processing Workshop Proceedings, September 1-4, 1996, Loen, Norway, pp. 347-350.
D7	KURUOGLU, ERCAN E. ET AL., "Least L_p–Norm Estimation of Autoregressive Model Coefficients of Symmetric α-Stable Processes," IEEE Signal Processing Letters, Vol. 4, No. 7, July 1997, pp. 201-203.
D7	KURUOGLU, ERCAN E. ET AL., "Least L_p–Norm Impulsive Noise Cancellation with Polynomial Filters," Signal Processing, Vol. 69, No. 1, August 1998, pp. 1-14.
D7	KURUOGLU, ERCAN E. ET AL., "A Near Optimal Receiver for Detection in α-Stable Distributed Noise," Proceedings of 1998 IEEE Statistical Signal and Array Processing Workshop, Portland, Oregon, USA, September 14-16, 1998 (also published in IEEE Communications Letters, Vol. 2, No. 10, pp. 282-284, October 1998).
D7	MA, XINYU ET AL., "Parameter Estimation and Blind Channel Identification in Impulsive Signal Environments," IEEE Transactions on Signal Processing, Vol. 43, No. 12, December 1995, pp. 2884-2897.
D7	MCCULLOCH, J. HUSTON, "Simple Consistent Estimators of Stable Distribution Parameters," Communications in Statistics-Simulation and Computation, Vol. 75, 1986, pp. 1109-1136.
D7	NOLAN, JOHN P., "Maximum Likelihood Estimation and Diagnostics for Stable Distributions," available from http://www.cas.american.edu/~jpnolan/stable.html, 1998.

EXAMINER [signature]	DATE CONSIDERED 3/16/04

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. R/98021	APPLICATION NO. 09/267968 Not Yet Assigned
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Christopher R. Dance et al.	
		FILING DATE March 12, 1999	GROUP ART UNIT

OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

DT	TSIHRINTZIS, GEORGE A. ET AL, "Fast Estimation of the Parameters of Alpha-Stable Impulsive Interference," IEEE Transactions on Signal Processing, Vol. 44, No. 6, June 1996, pp. 1492-1503.
DT	ZOLOTAREV, V. M., "Mellin-Stieltjes Transforms in Probability Theory," Theory of Probability and Its Applications, Vol. 2, No. 4, 1957, pp. 433-459.

EXAMINER	DATE CONSIDERED
Jerome E. Jeault	3/16/04

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Xerox Rev. 1/97

Form PTO-1449	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. R/98021	APPLICATION NO. 09/267,968
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Christopher R. Dance et al.	
		FILING DATE 3/12/1999	GROUP ART UNIT 2644

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N

OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

	European Search Report for EP counterpart Application No. 99310165 with search date of April 16, 2003.
ゟヿ	KURUOGLU, ERCAN E. ET AL., "Near Optimal Detection Of Signals In Impulsive Noise Modeled With A Symmetric Alpha-Stable Distribution", published in IEEE Communications Letters, Vol. 2, No. 10, pp. 282-284, October 1998.

EXAMINER _Aman E Gaulk_	DATE CONSIDERED _3/15/04_

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 6/00

| Form PTO-1449 | Dept. of Commerce | ATTY DOCKET NO. | APPLICATION NO. |
| PATENT & TRADEMARK OFFICE | | R/98021 | 09/267,968 |

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

| APPLICANT | Christopher R. Dance et al. |
| FILING DATE 3/12/1999 | GROUP ART UNIT 2747 |

JUL 2 3 1999

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS

TECH CENTER 2700 RECEIVED JUL 29 1999

FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N

OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

δ7	ILOW, JACEK ET AL. "Detection in Alpha-Stable Noise Environments Based on Prediction," International Journal of Adaptive Control and Signal Processing, Vol. 11, No. 7, November 1997, pp. 555-568.
δ7	KIM, HYUN MUN ET AL. "Fuzzy Prediction and Filtering in Impulsive Noise," Fuzzy Sets & Systems, Vol. 77, No.1, January 1996, pp. 15-33.

| EXAMINER | DATE CONSIDERED 3/15/04 |

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Xerox Rev. 1/97